MGC Dock Quick Start Guide

Power

The MGC Dock is powered by an internal rechargeable battery that can perform up to 1500 bump tests. The MGC Dock will automatically turn itself off between tests, unless the charger is connected. Pressing either button will automatically activate the MGC Dock to perform the next test.

LEDs

LED	Color	Description
Unit LEDs	orange	test in progress
	red	test failed
	green	test passed
	orange cycling	charging
Power LED	green	powered on
	green blinking	low battery
	orange	test in progress
	orange blinking	no USB memory detected*

*The MGC Dock is unable to record test results if USB memory is not installed.

Buttons

Bump: Briefly applies gas to test sensor response, downloads the logs and tests the beeper.

Calibration: Adjusts the sensor response to match the gas applied, downloads the logs and tests the beeper.

Both: Turns off or hibernates the detectors.

The MGC Dock can be programmed using the GCT Manager software so that every button press will also upgrade the firmware and configure the user options of each detector.

Setup and Installation

Lift the handle of the gas cover and connect a calibration gas bottle to the MGC Dock. By default, the MGC Dock assumes that the bottle contains four gases so that any detector model can be tested, but the GCT Manager software allows you to specify these gas concentrations, as well as, other operational parameters.

Default gas settings: H_2S: 25 ppm, CO: 100 ppm, O_2: 18% and LEL: 50%

Troubleshooting Failures

1. Inspect the detector sensor and beeper cavities, clear any obstructions and replace any clogged filters.
2. Clean the small IR communication window located on the top of the detector.
3. Verify the gas bottle is not empty: 58L bottles are “full” at 500 PSI, 116L at 1000 PSI.
4. Try relocating the MGC Dock away from bright light sources, which may interfere with IR communication between the MGC Dock and the detectors.
5. If a monitor continues to fail after completing the previous steps, please contact Gas Clip Technologies.